

Utah Department of Transportation

Long Term Planning Briefings

Carlos Braceras, P.E.

Executive Director

May 20, 2015



Mission Statement

Innovating transportation solutions that strengthen Utah's economy and enhance quality of life.



UDOT's Vision

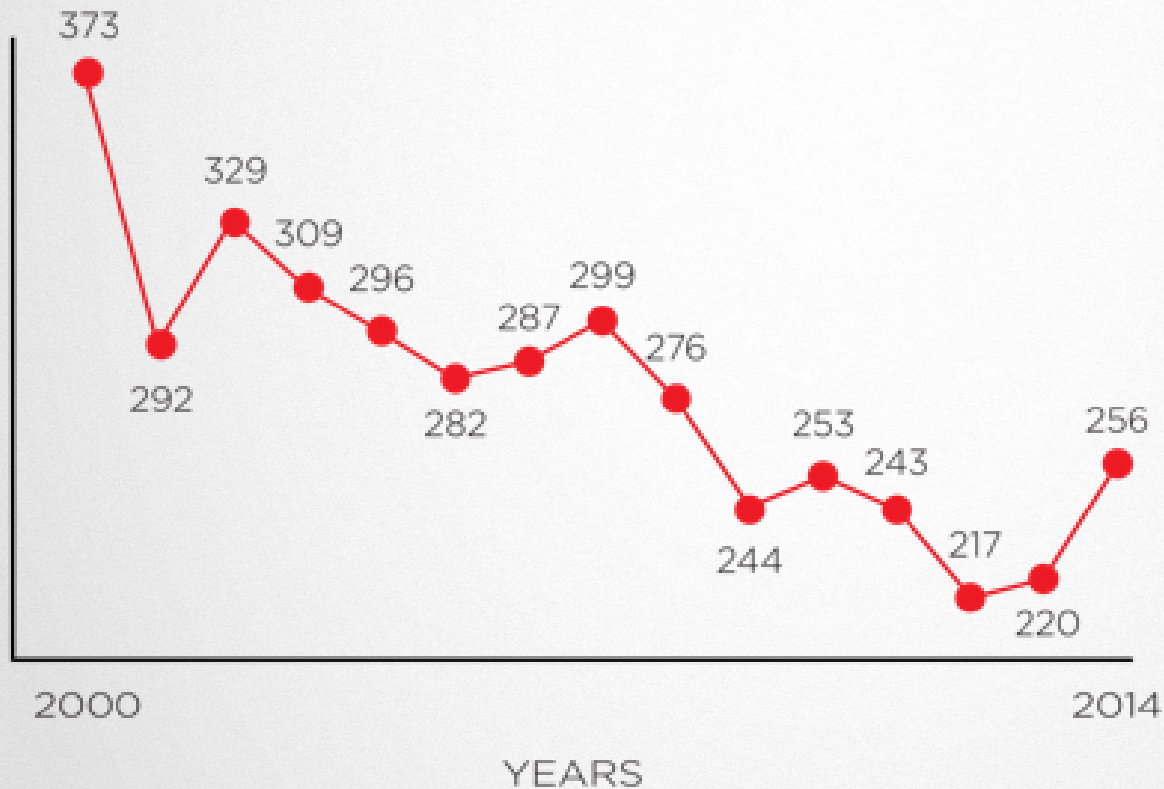


zero

Trend from 2000 to 2014

Zero Fatalities

FATALITIES (2000-2014)

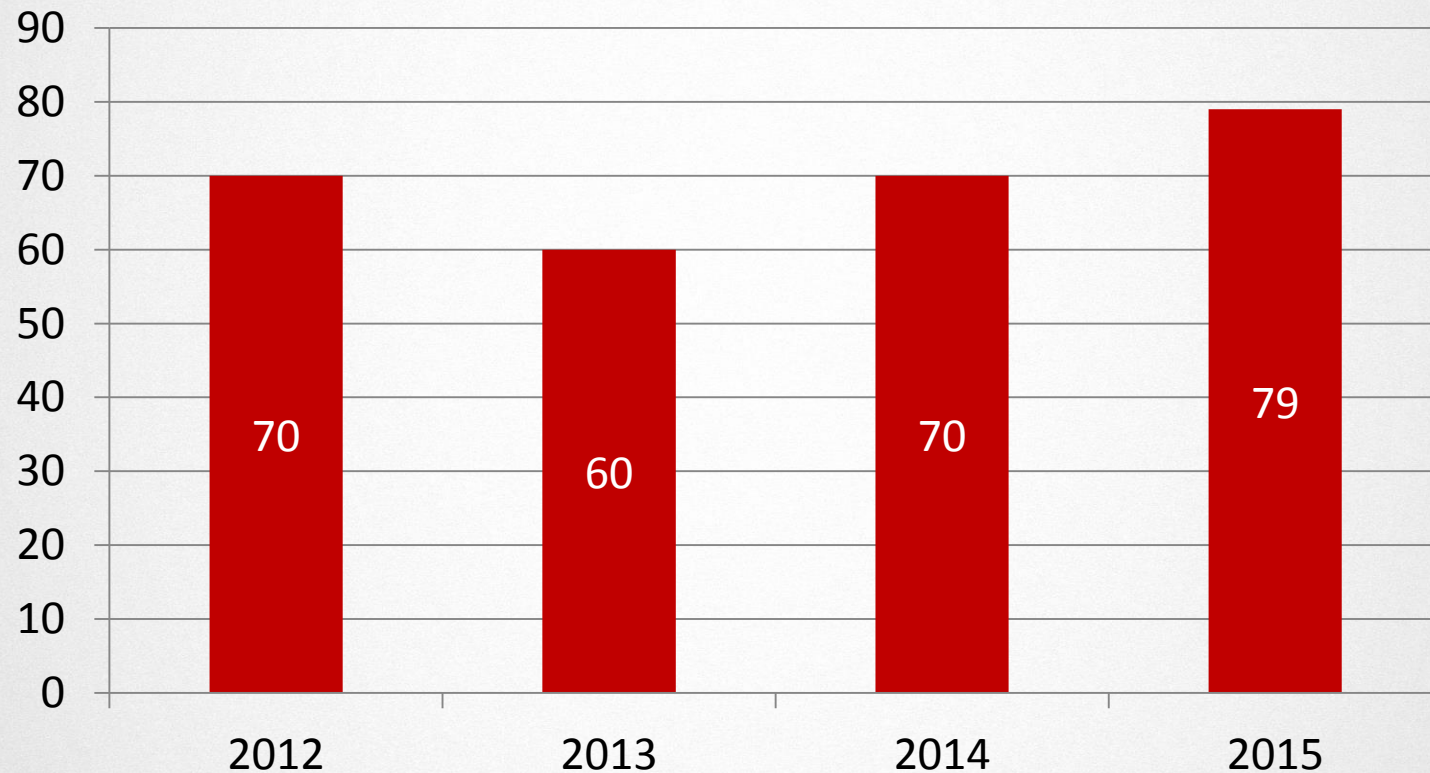


32%
decrease in
fatalities

zero

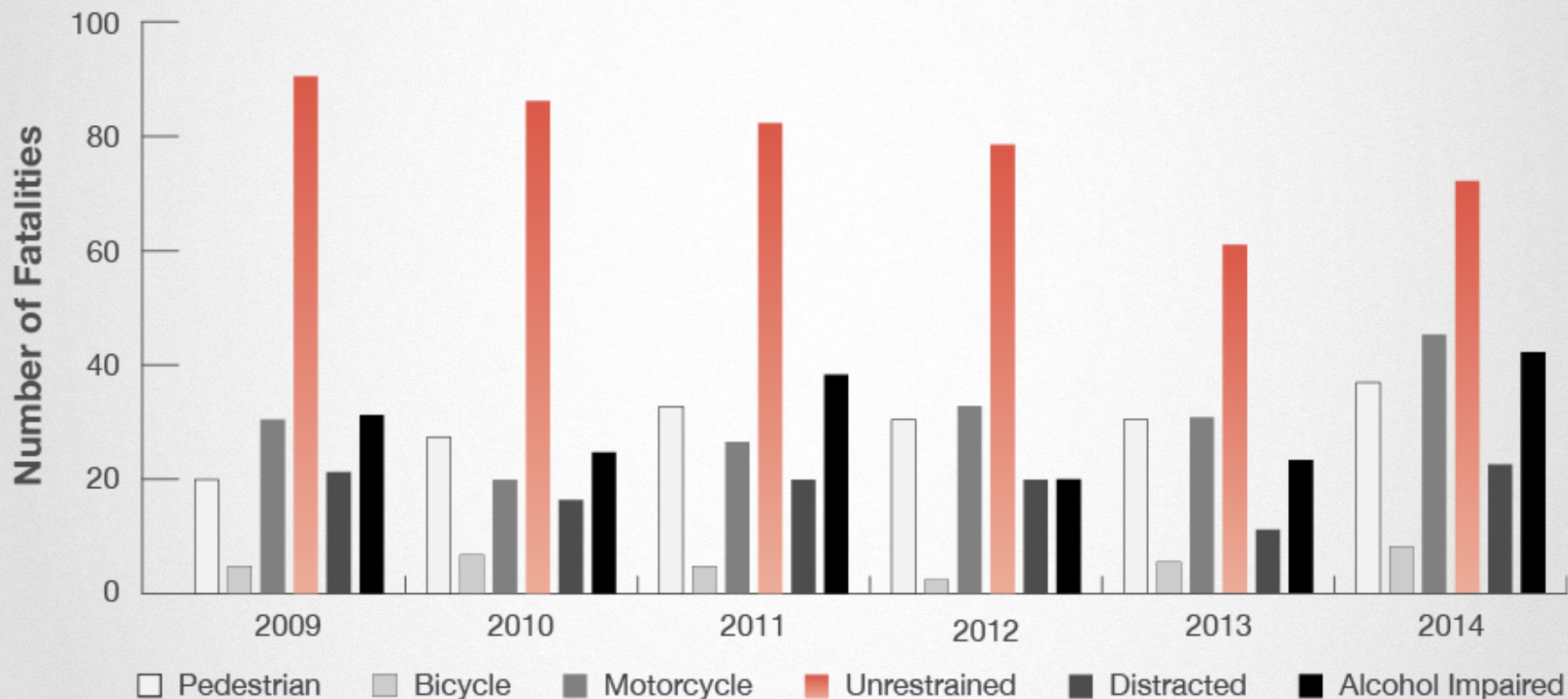
2015 Fatalities Current Trend

Trend – Fatalities through May



zero

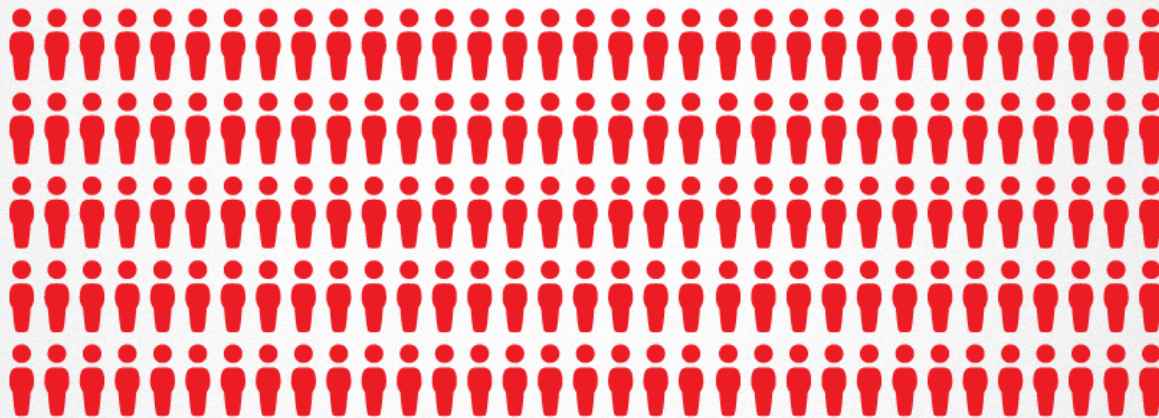
Fatalities by Type Zero Fatalities



**Fatality Analysis Reporting System (FARS) data*

Fatalities in 2014

165 LIVES WERE LOST
ON UTAH ROADS IN 2014



*not including pedestrian, cyclist, and motorcycle fatalities

Unbuckled Fatalities in 2014

72 WERE NOT BUCKLED



zero

Data and Emerging Needs

Zero Fatalities

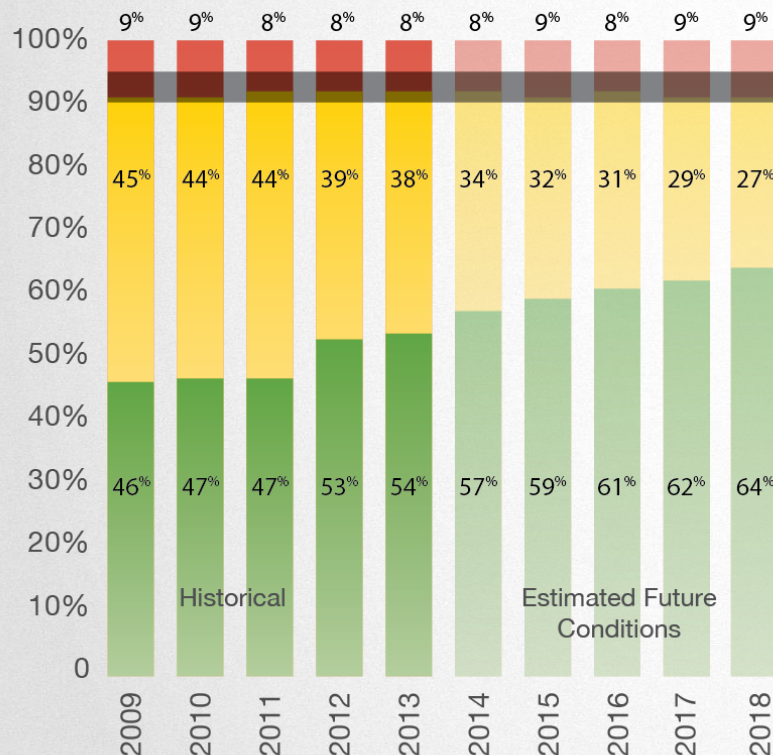




Pavement Preserve Infrastructure

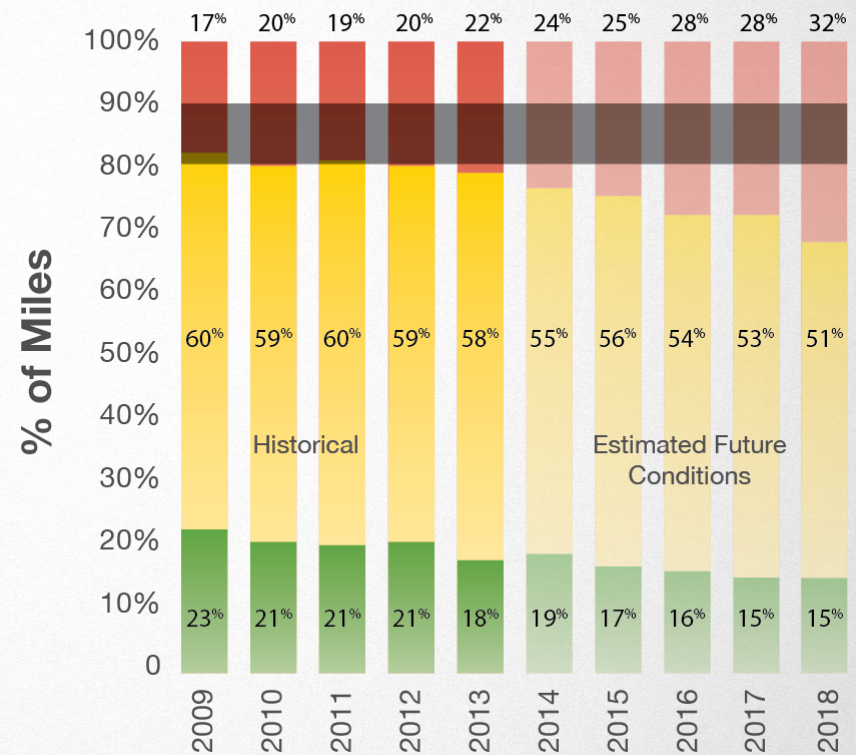
Level 1 Roads

Ride Quality—Forecasted with \$106 million NHPP+STP/yr



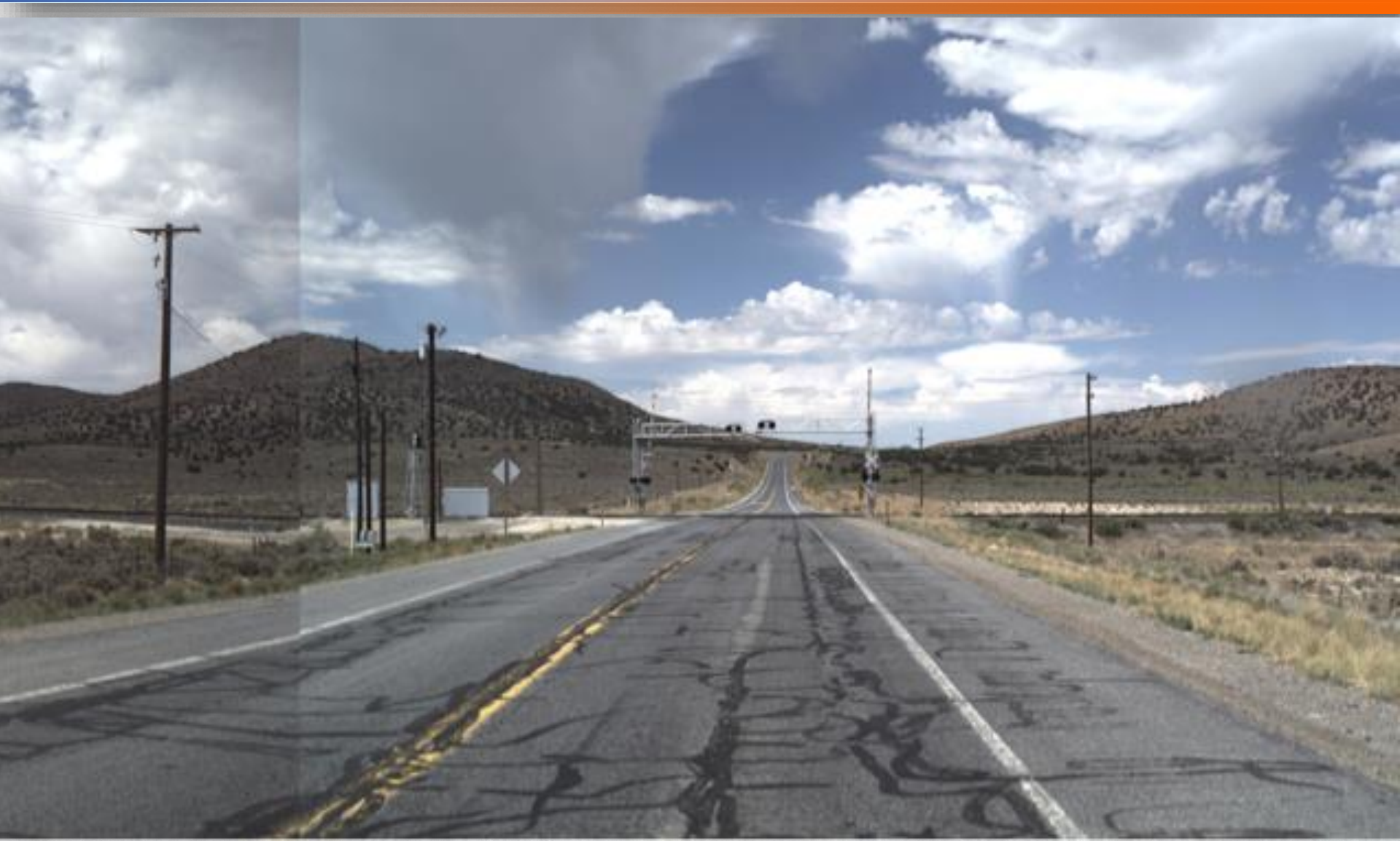
Level 2 Roads

Ride Quality—Forecasted with \$10 million Code 1/yr





Pavement Preserve Infrastructure

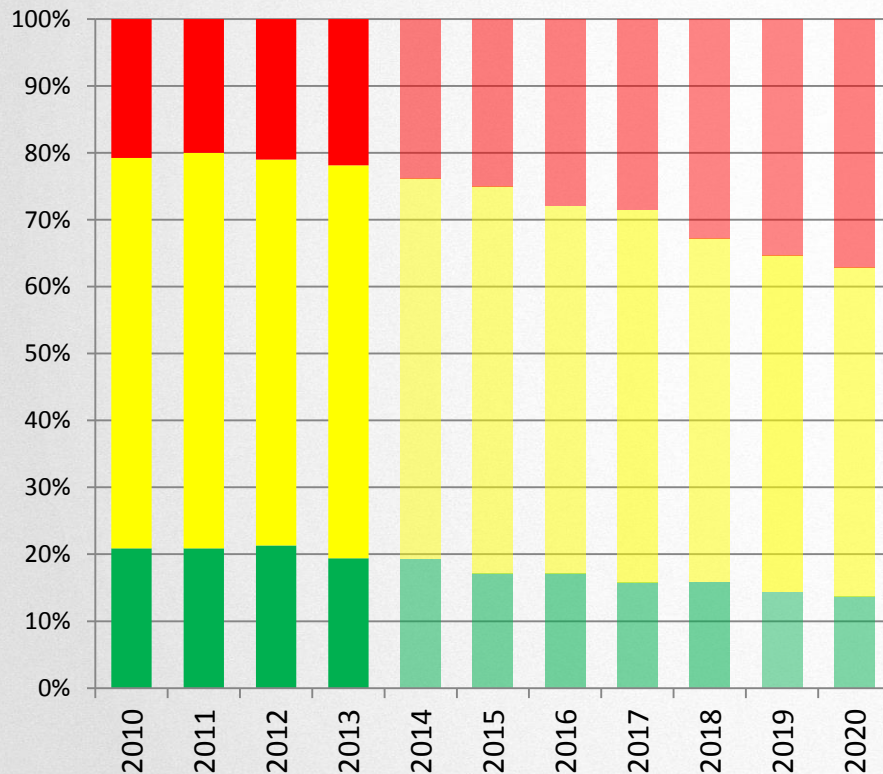




Pavement Preserve Infrastructure

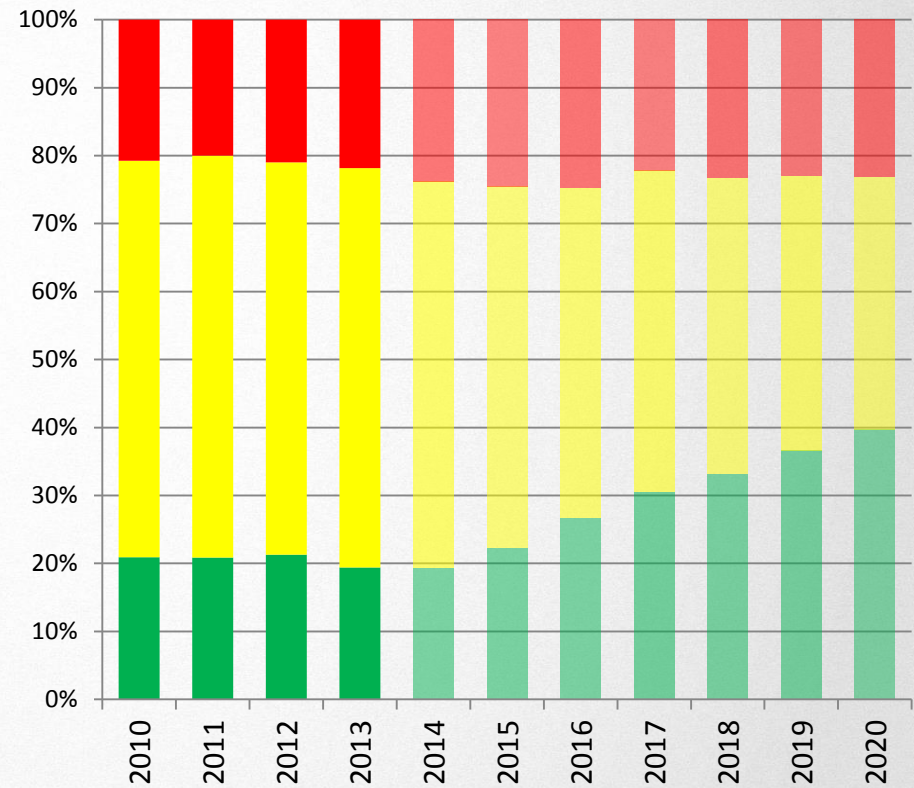
Level 2 Condition

Forecast with \$10 million/yr



Level 2 Condition

Forecast with \$50 million/yr

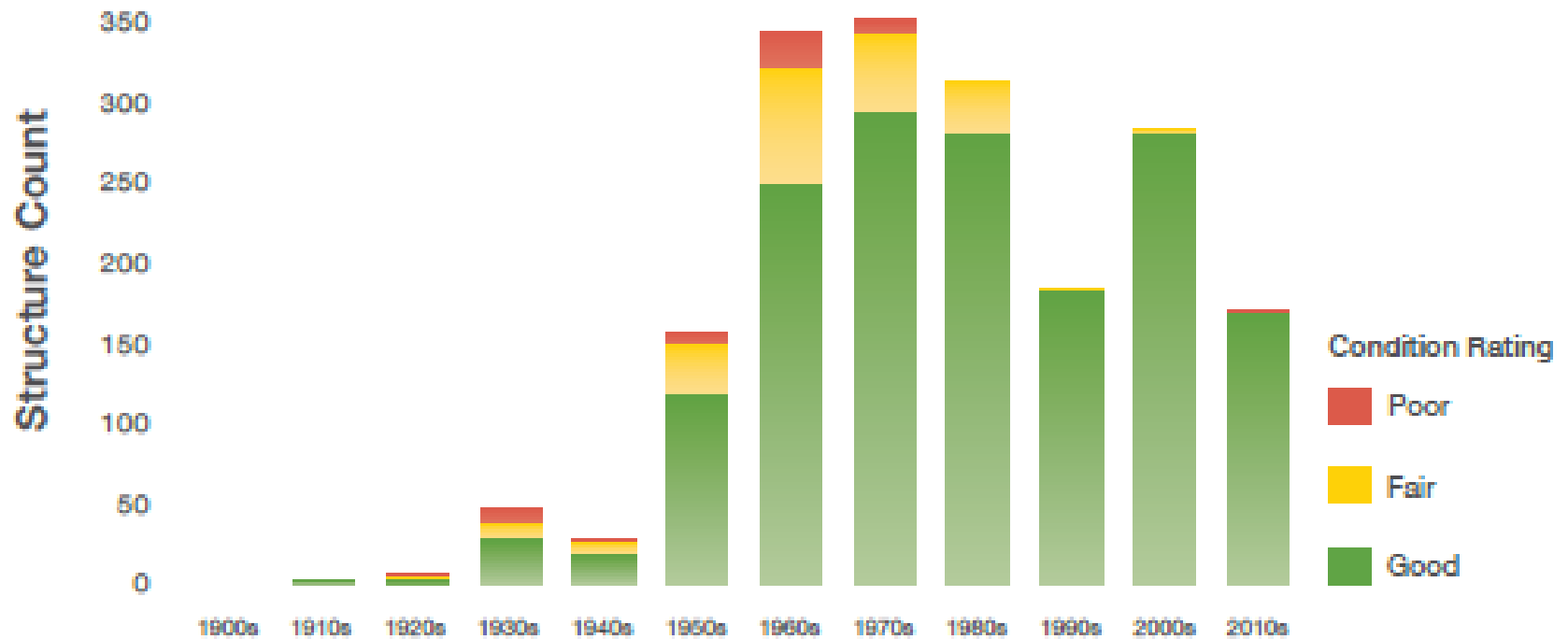




Bridges

Preserve Infrastructure

AGE DISTRIBUTION OF STATE BRIDGES



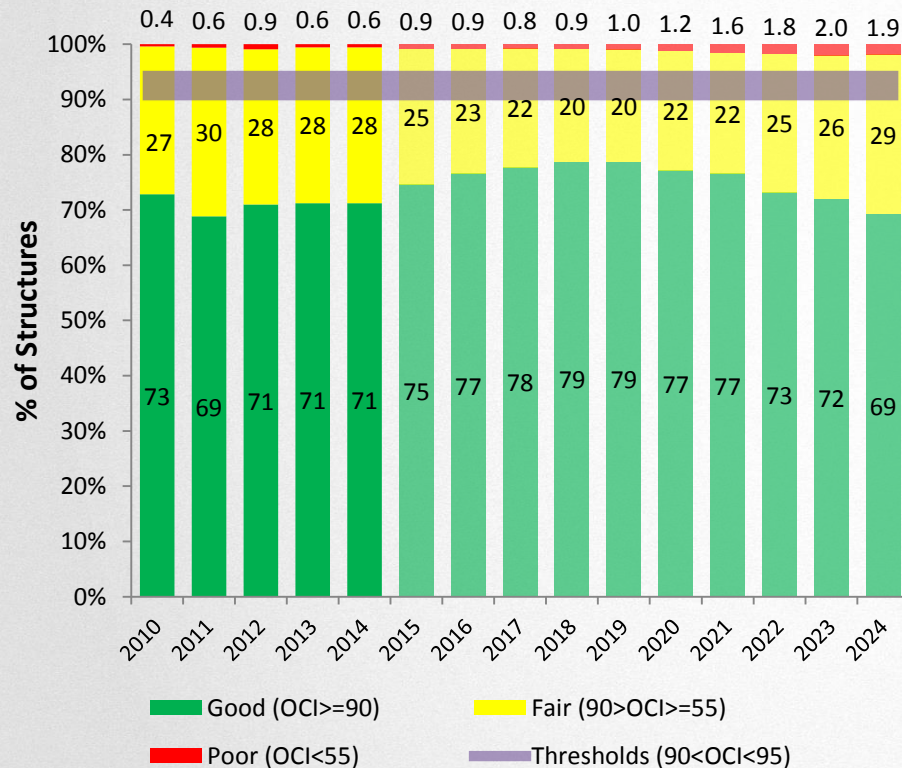


Bridges

Preserve Infrastructure

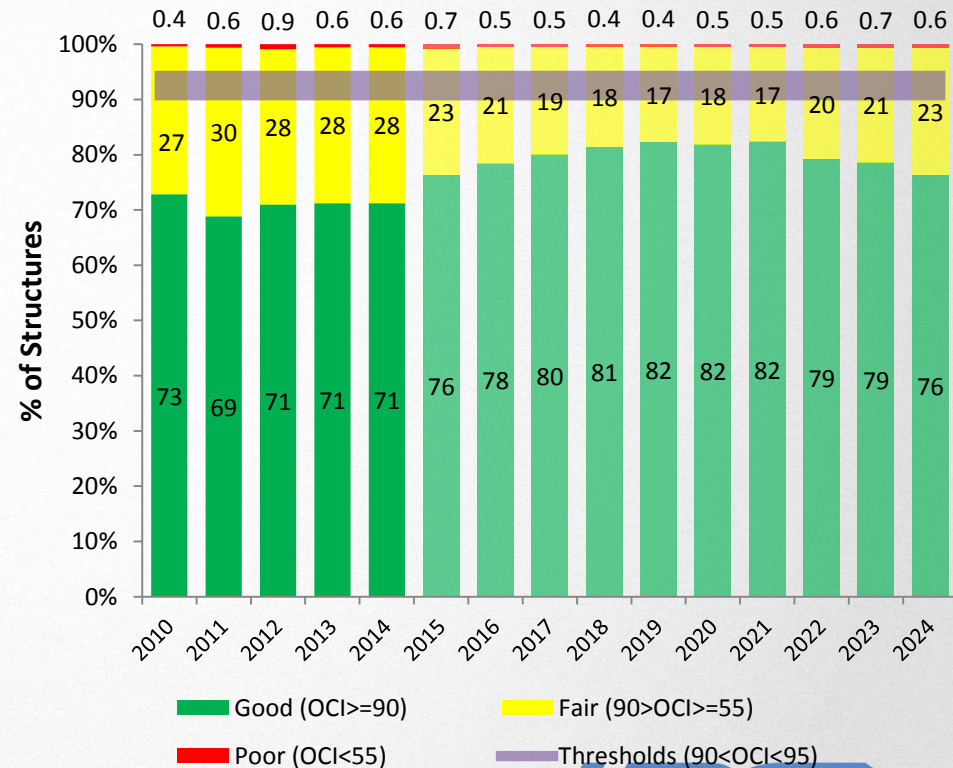
State Bridges Condition (1888 Bridges)

Forecast with \$20 Million Yearly



State Bridges Condition (1888 Bridges)

Forecast With \$45 Million Yearly





Equipment and Fleet

Preserve Infrastructure

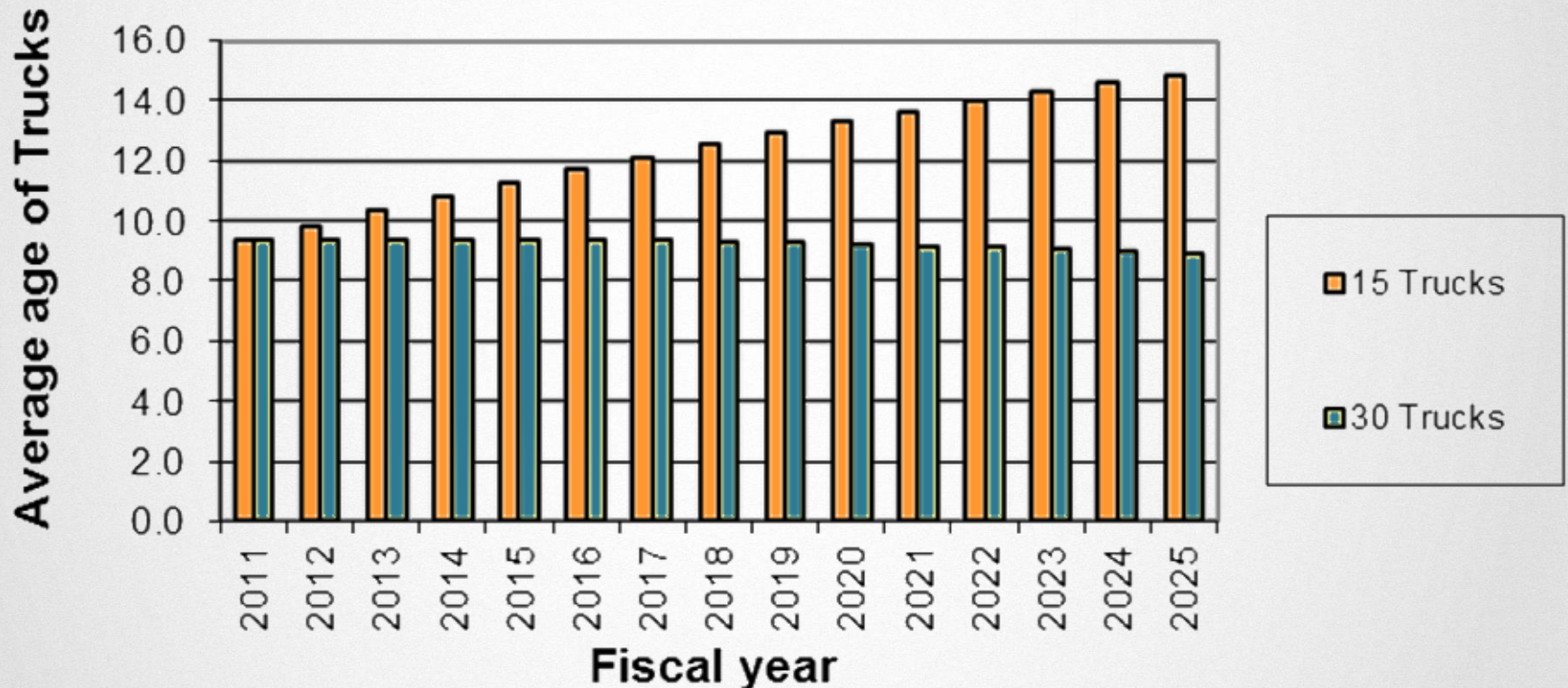




The Challenge: Aging Fleet

Preserve Infrastructure

Buying 15 Trucks Per Year vs 30

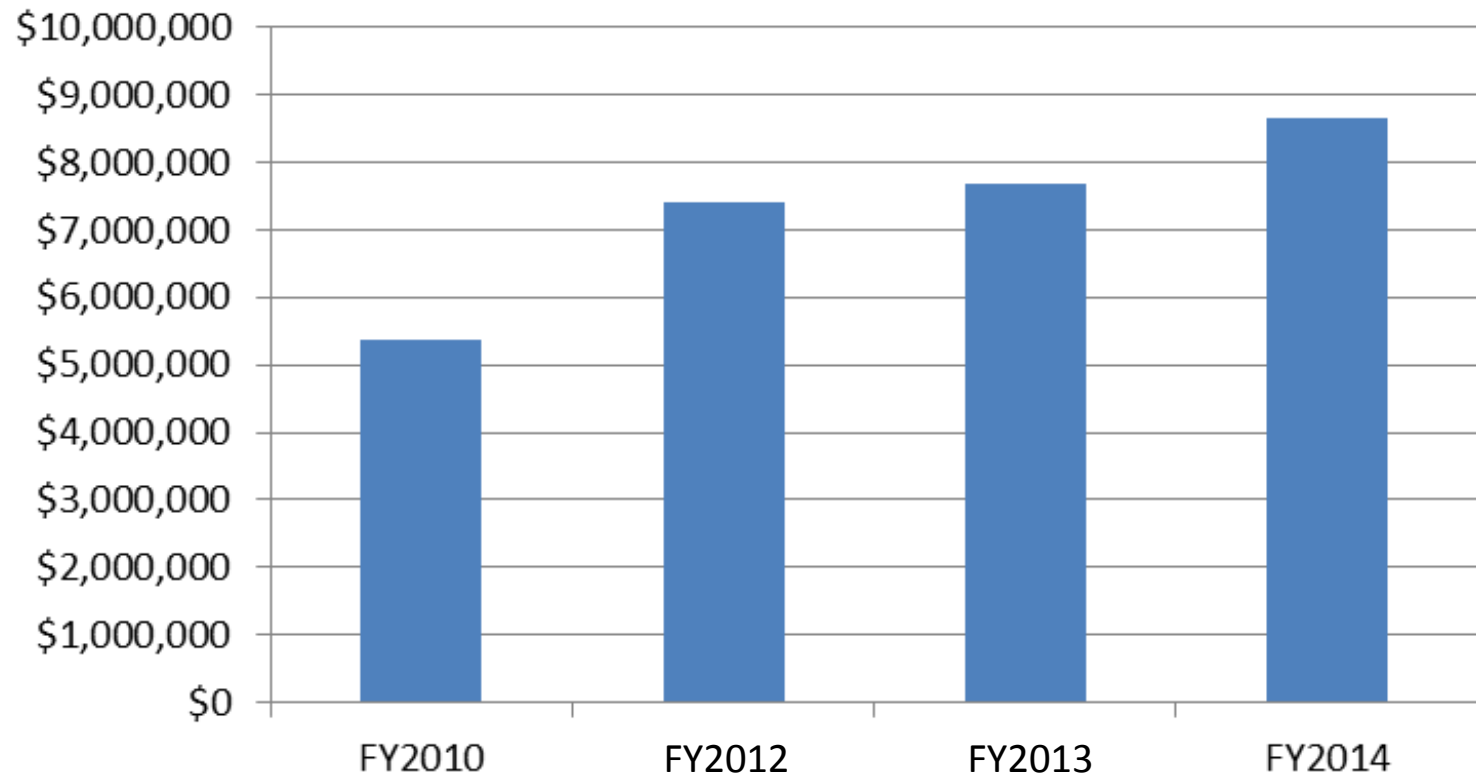




Cost of Aging Fleet

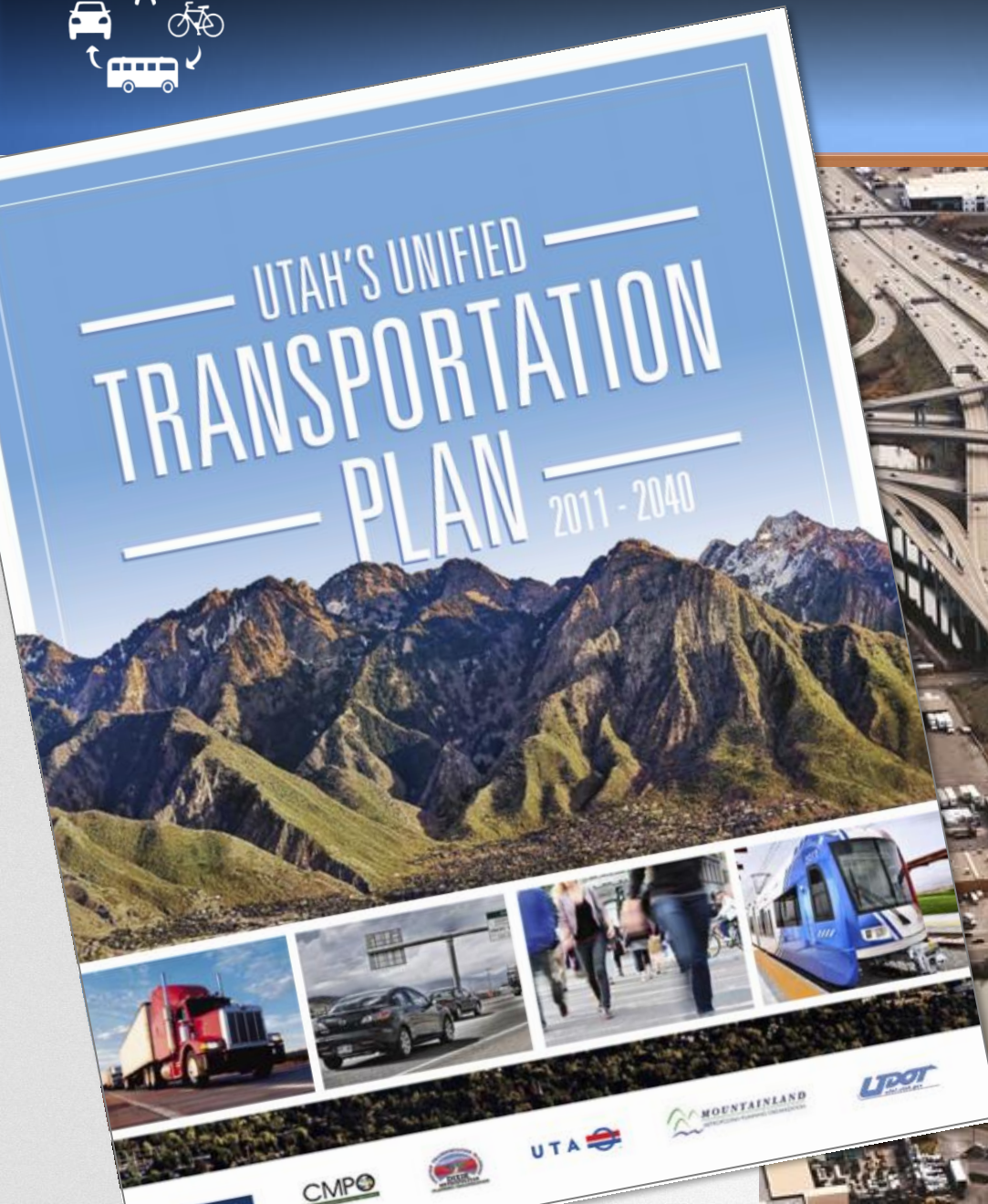
Preserve Infrastructure

Repair costs over the last 4 years





Population Growth Optimize Mobility



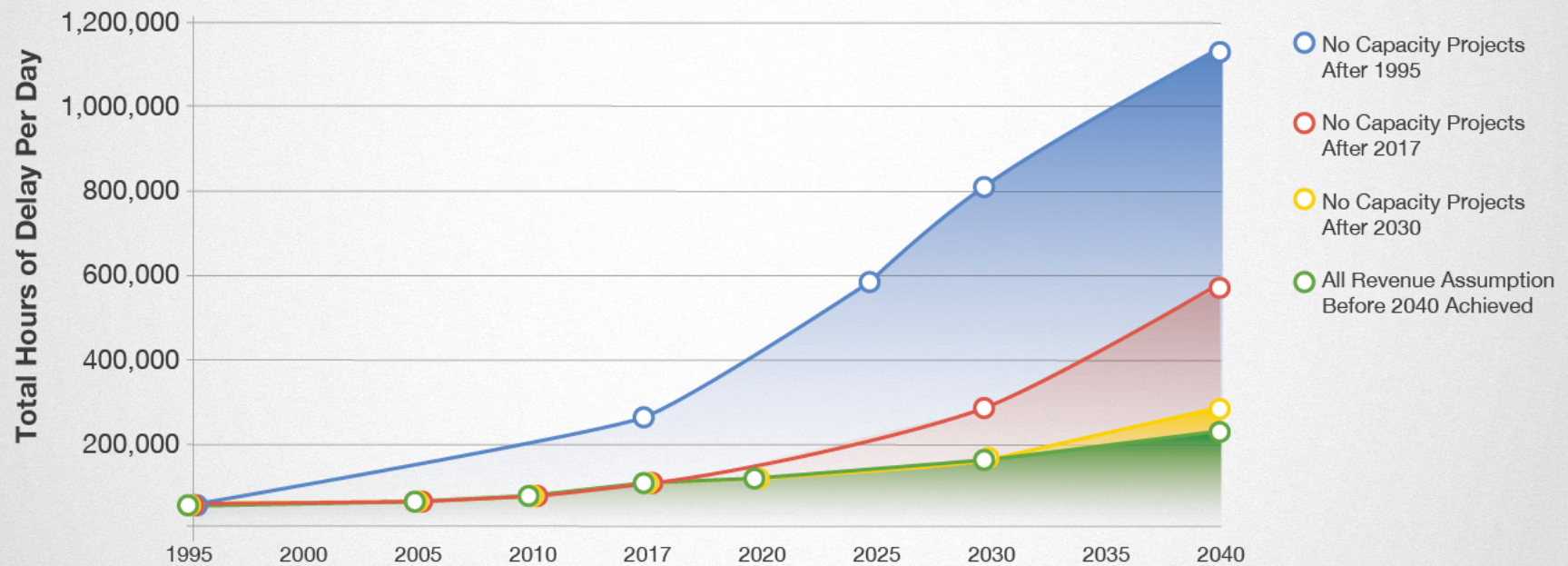


Improved Traffic Movement

Optimize Mobility

Delay Along the Wasatch Front

Davis, Weber, Salt Lake & Utah Counties

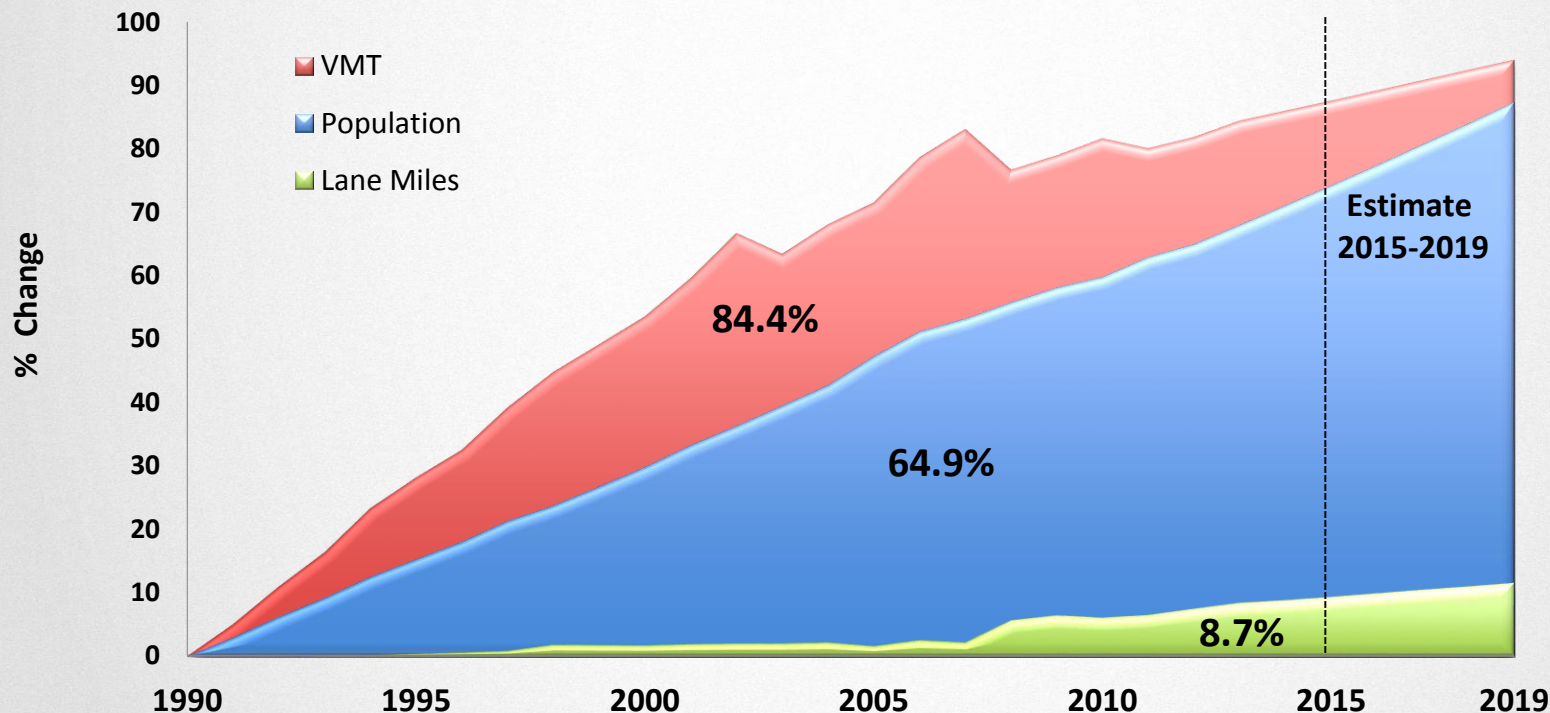




Traffic and Growth in Utah

Optimize Mobility

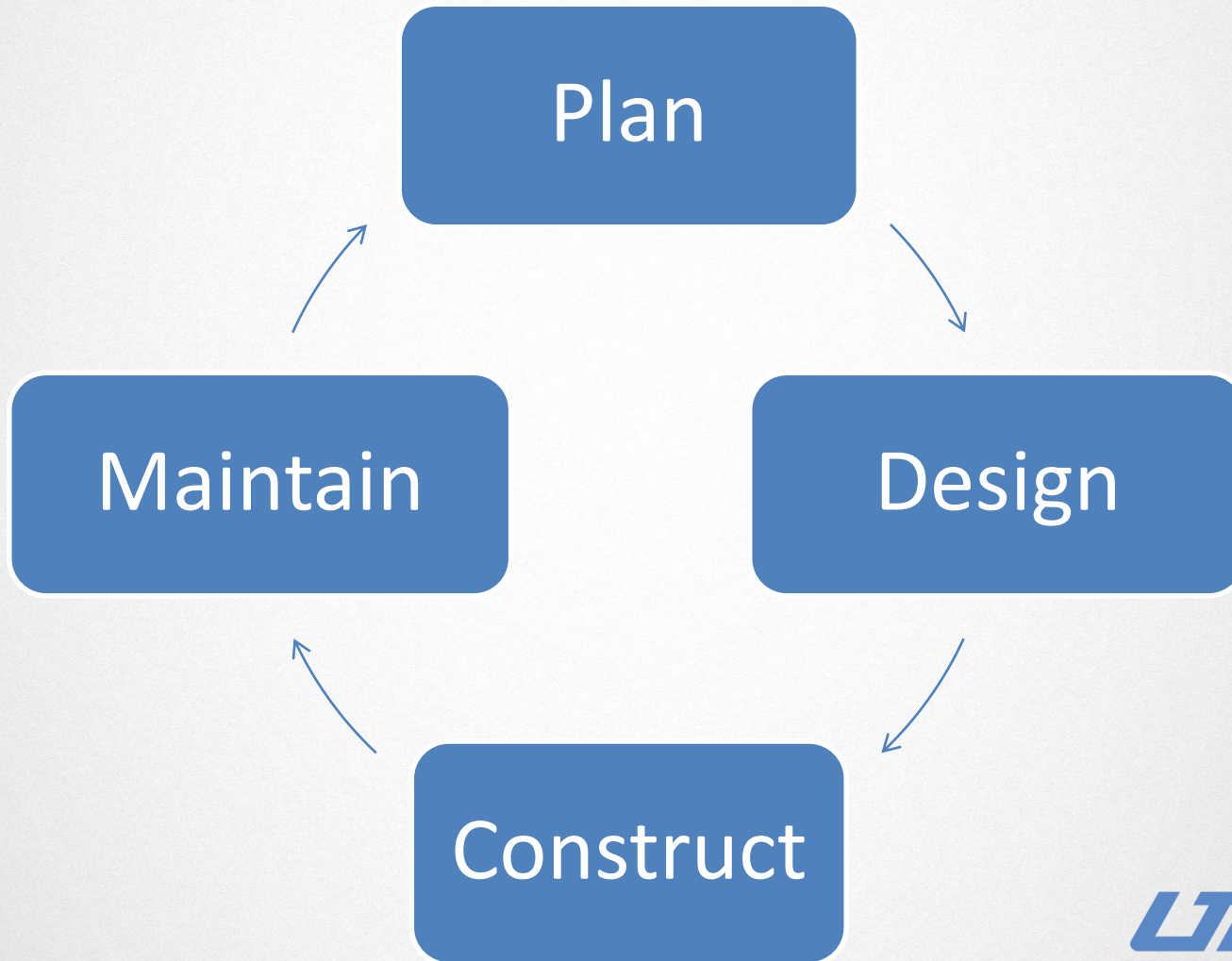
Utah Statewide Growth Trends
1990 - 2019





Shifting Paradigm in Transportation

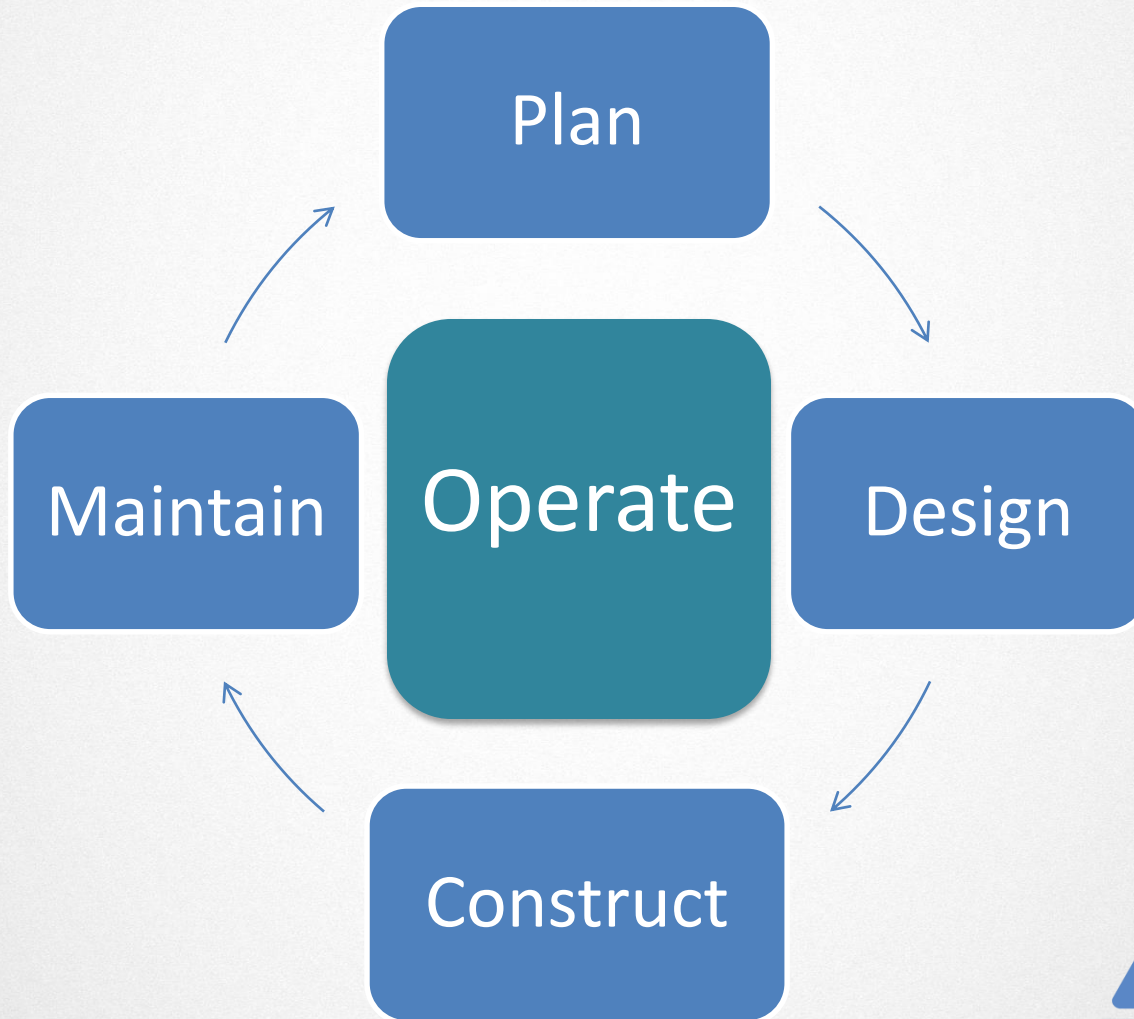
Optimize Mobility





Shifting Paradigm in Transportation

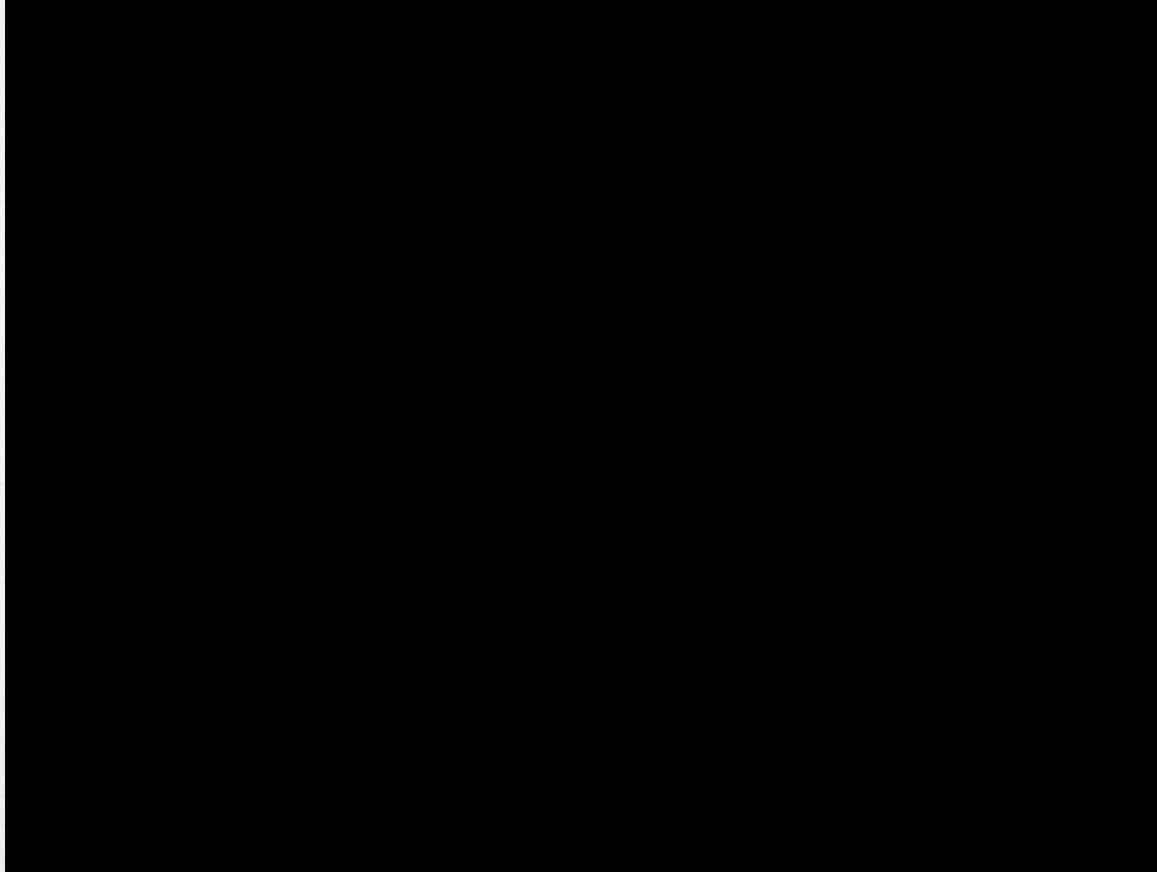
Optimize Mobility





Emerging Technology and Issues

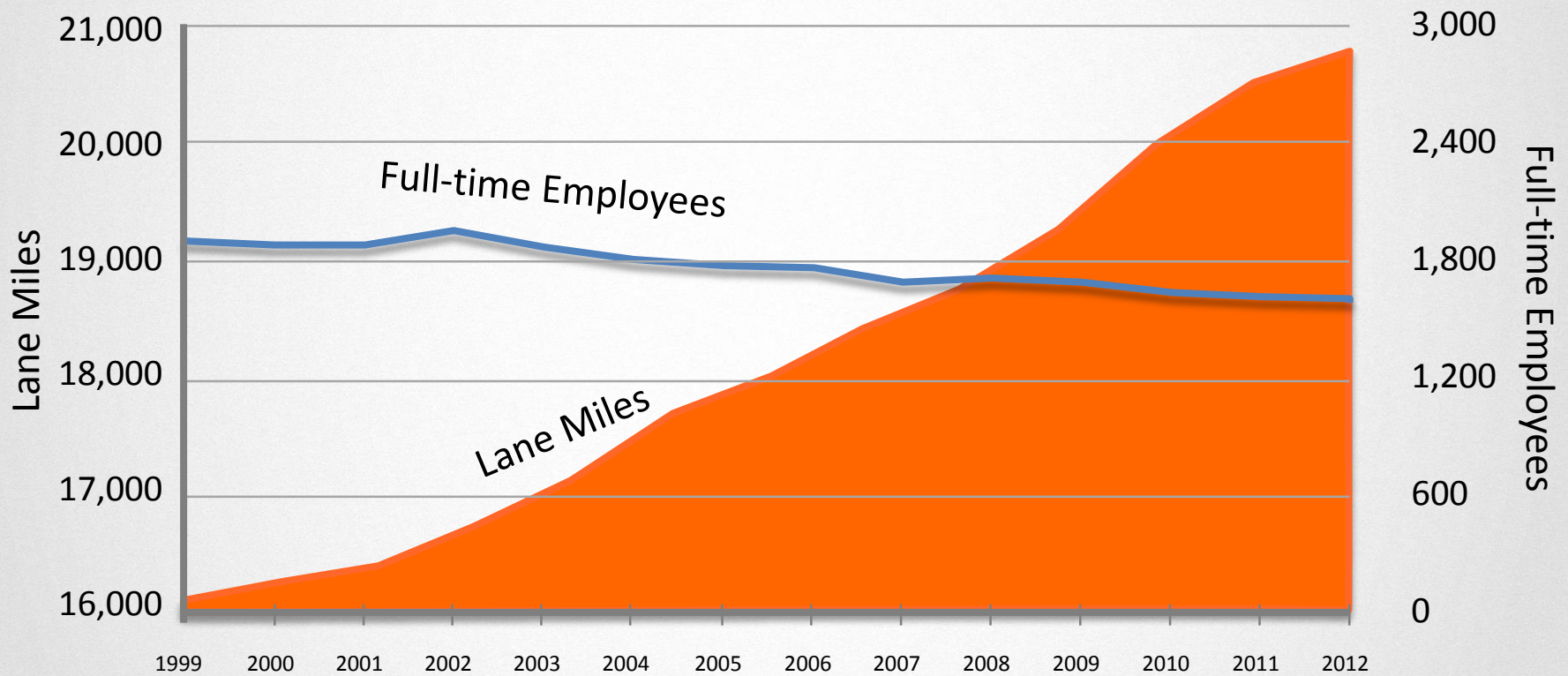
Optimize Mobility



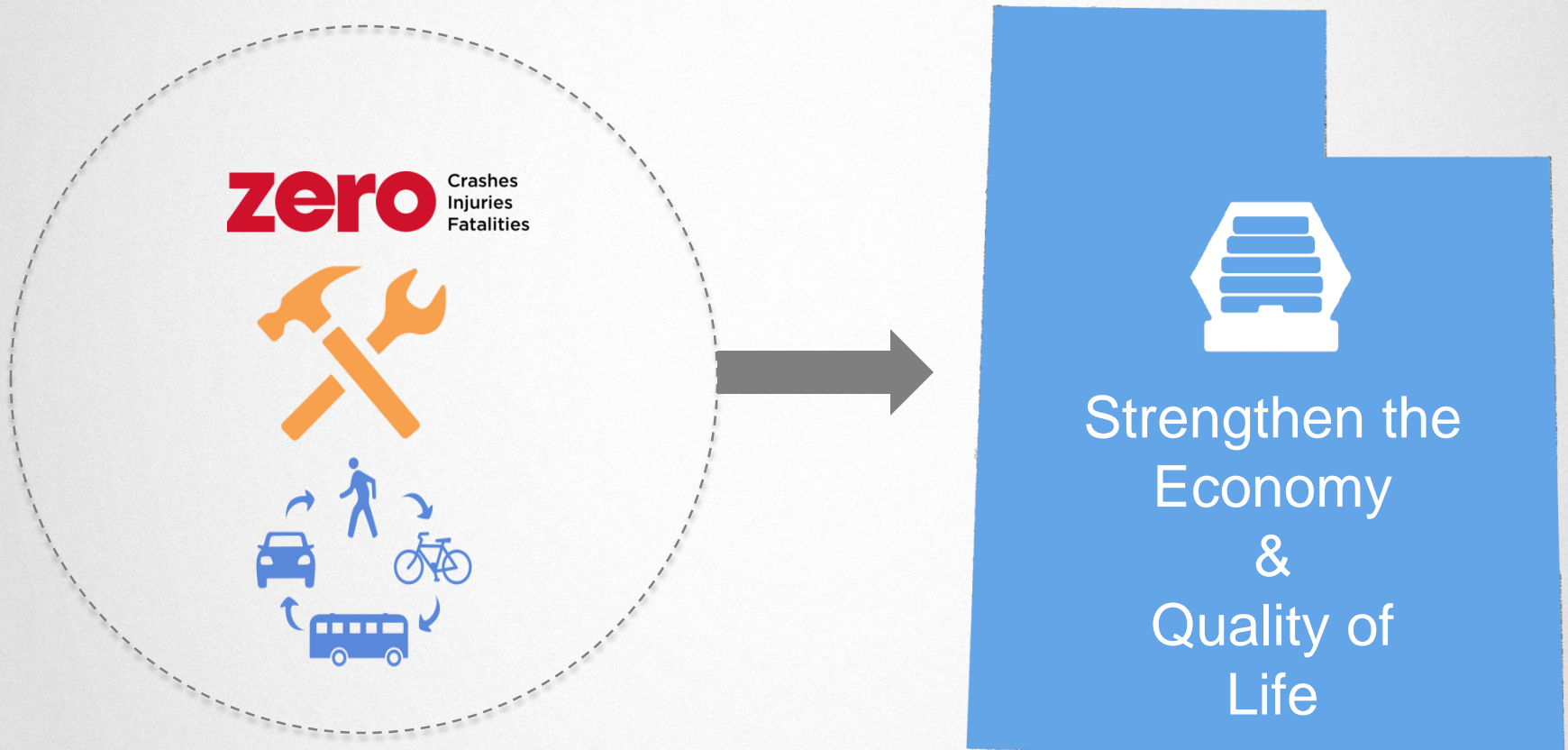


Core Competencies

Optimize Mobility



Today's Needs for a Successful Future



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